

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF081623\
 Data File : BF134815.D
 Acq On : 16 Aug 2023 18:36
 Operator : CG\JU
 Sample : 03994-01DL2 500X
 Misc :
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 NEVINS-SB06-Z22-23DL2

Quant Time: Aug 17 01:36:15 2023
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF080123.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Aug 04 09:29:15 2023
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

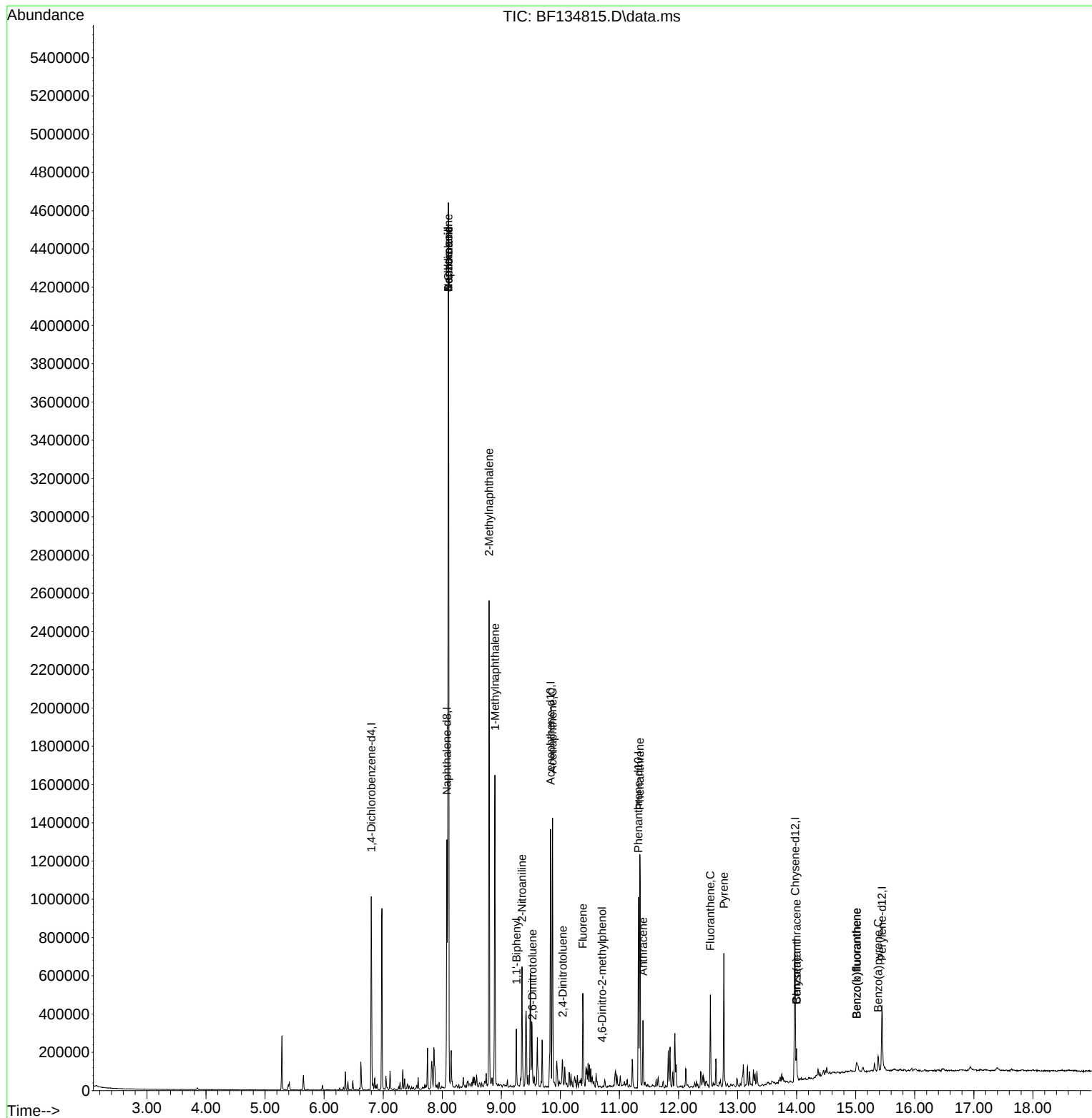
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.798	152	143775	20.000	ng	0.00
21) Naphthalene-d8	8.080	136	561687	20.000	ng	# 0.00
39) Acenaphthene-d10	9.833	164	242134	20.000	ng	0.00
64) Phenanthrene-d10	11.321	188	351957	20.000	ng	# 0.00
76) Chrysene-d12	13.974	240	244884	20.000	ng	# 0.00
86) Perylene-d12	15.445	264	179532	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.422	112	332	0.035	ng	0.00
7) Phenol-d6	6.433	99	720	0.060	ng	0.00
23) Nitrobenzene-d5	7.357	82	751	0.084	ng	-0.01
42) 2,4,6-Tribromophenol	0.000	330	0	0.000	ng	
45) 2-Fluorobiphenyl	9.151	172	1417	0.097	ng	-0.01
79) Terphenyl-d14	12.915	244	1682	0.121	ng	0.00
Target Compounds						Qvalue
9) Benzaldehyde	6.357	77	3907	Below Cal	#	1
31) Naphthalene	8.104	128	2079741	73.673	ng	98
32) Benzoic acid	8.104	122	5217	8.632	ng	# 1
33) 4-Chloroaniline	8.104	127	282425	22.454	ng	# 34
37) 2-Methylnaphthalene	8.792	142	650265	34.752	ng	98
38) 1-Methylnaphthalene	8.892	142	401933	23.100	ng	97
46) 1,1'-Biphenyl	9.257	154	97884	5.199	ng	96
48) 2-Nitroaniline	9.351	65	2698	3.739	ng	# 38
51) 2,6-Dinitrotoluene	9.527	165	1598	2.944	ng	# 82
52) Acenaphthene	9.868	154	282887	19.683	ng	98
57) 2,4-Dinitrotoluene	10.039	165	1693	3.241	ng	# 53
58) Fluorene	10.380	166	124387	8.347	ng	95
65) 4,6-Dinitro-2-methylph...	10.704	198	193	8.810	ng	# 7
71) Phenanthrene	11.345	178	457556	24.475	ng	98
72) Anthracene	11.398	178	128936	6.752	ng	98
75) Fluoranthene	12.539	202	170777	8.648	ng	97
78) Pyrene	12.768	202	269152	12.702	ng	99
81) Benzo(a)anthracene	13.998	228	60533	3.457	ng	95
83) Chrysene	13.998	228	60533	3.548	ng	98
88) Benzo(b)fluoranthene	15.015	252	42129	3.848	ng	# 92
89) Benzo(k)fluoranthene	15.015	252	42129	3.862	ng	# 94
90) Benzo(a)pyrene	15.380	252	38994	3.820	ng	# 93

(#) = qualifier out of range (m) = manual integration (+) = signals summed

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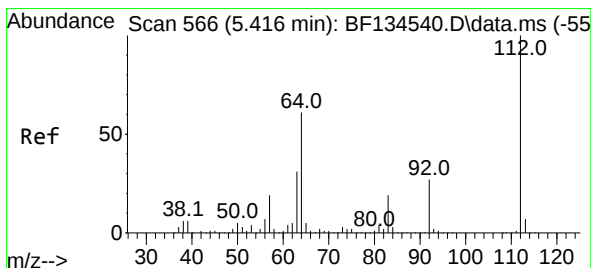
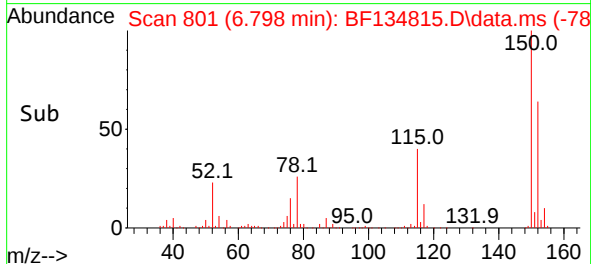
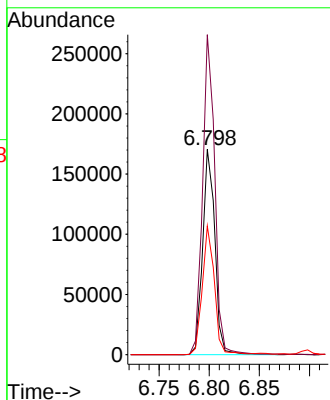
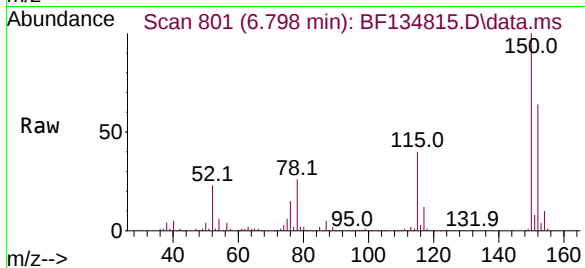




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.798 min Scan# 800
Delta R.T. 0.000 min
Lab File: BF134815.D
Acq: 16 Aug 2023 18:36

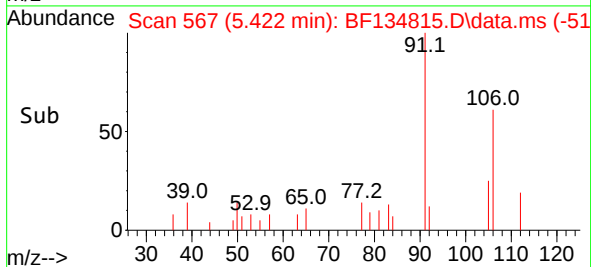
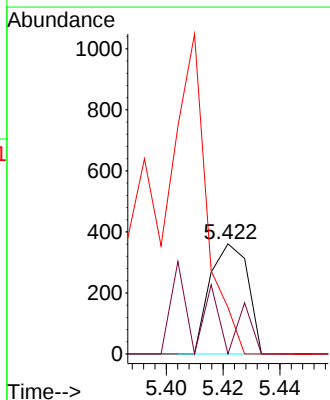
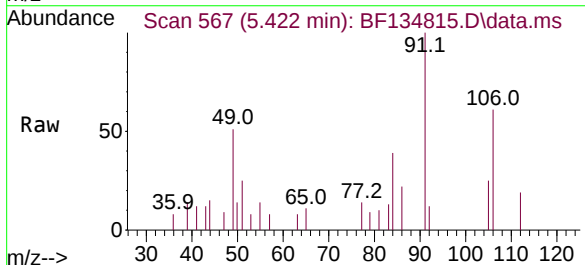
Instrument :
BNA_F
ClientSampleId :
NEVINS-SB06-Z22-23DL2

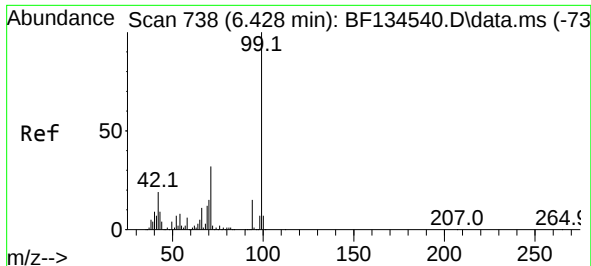
Tgt Ion:152 Resp: 143775
Ion Ratio Lower Upper
152 100
150 155.9 128.3 192.5
115 62.6 52.4 78.6



#5
2-Fluorophenol
Concen: 0.035 ng
RT: 5.422 min Scan# 567
Delta R.T. -0.006 min
Lab File: BF134815.D
Acq: 16 Aug 2023 18:36

Tgt Ion:112 Resp: 332
Ion Ratio Lower Upper
112 100
64 0.0 44.9 67.3#
63 42.4 25.4 38.0#

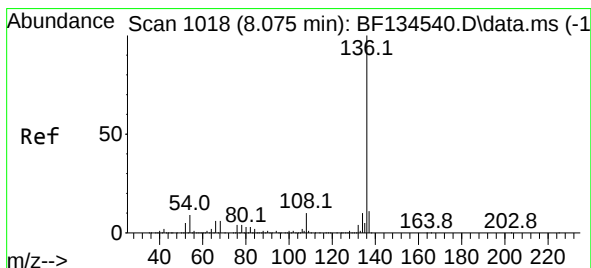
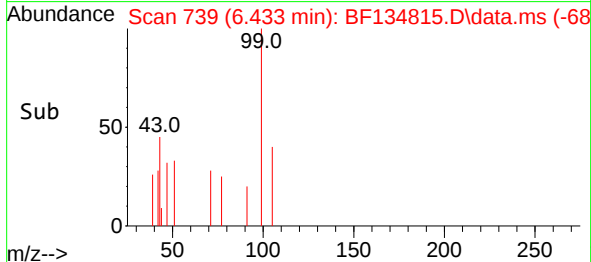
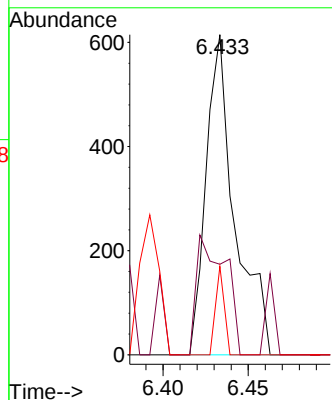
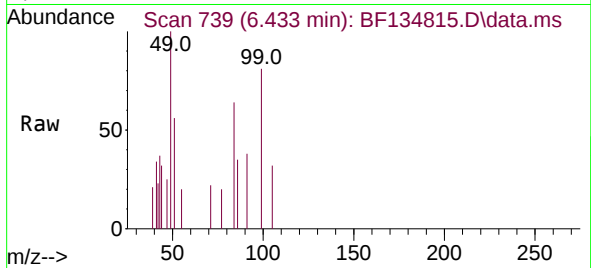




#7
Phenol-d6
Concen: 0.060 ng
RT: 6.433 min Scan# 738
Delta R.T. -0.006 min
Lab File: BF134815.D
Acq: 16 Aug 2023 18:36

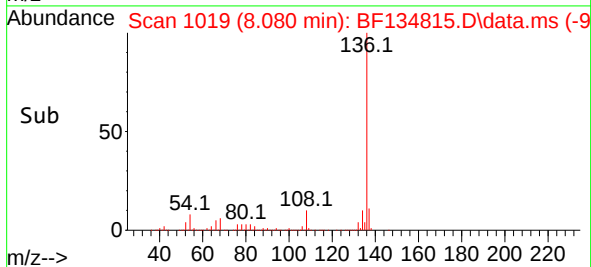
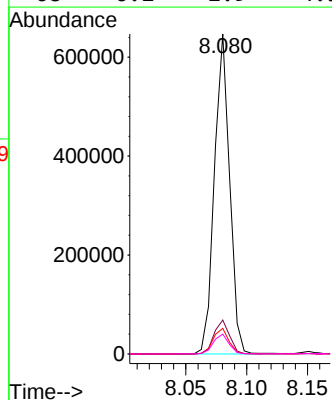
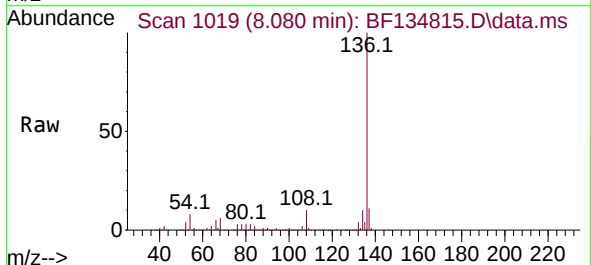
Instrument :
BNA_F
ClientSampleId :
NEVINS-SB06-Z22-23DL2

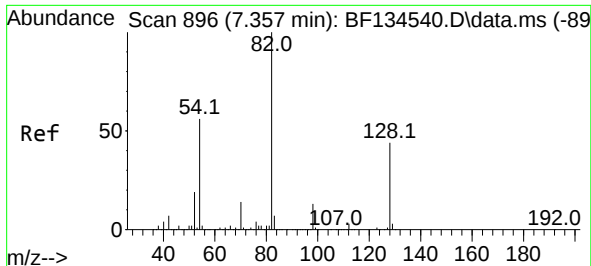
Tgt Ion: 99 Resp: 720
Ion Ratio Lower Upper
99 100
42 28.3 18.7 28.1#
71 27.6 36.4 54.6#



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.080 min Scan# 1019
Delta R.T. -0.000 min
Lab File: BF134815.D
Acq: 16 Aug 2023 18:36

Tgt Ion: 136 Resp: 561687
Ion Ratio Lower Upper
136 100
137 10.6 8.4 12.6
54 8.0 5.2 7.8#
68 6.2 2.9 4.3#





#23

Nitrobenzene-d5

Concen: 0.084 ng

RT: 7.357 min Scan# 896

Delta R.T. -0.012 min

Lab File: BF134815.D

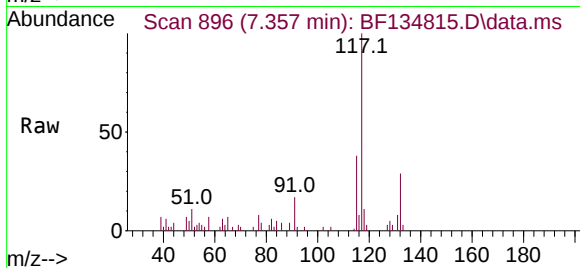
Acq: 16 Aug 2023 18:36

Instrument :

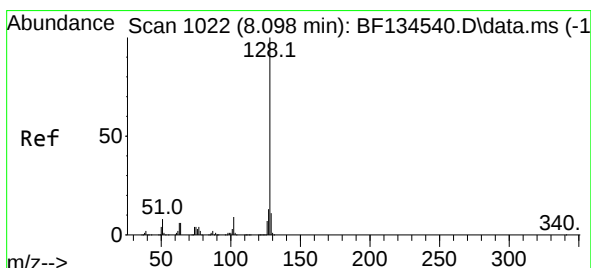
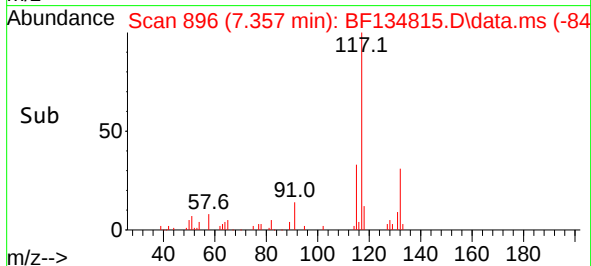
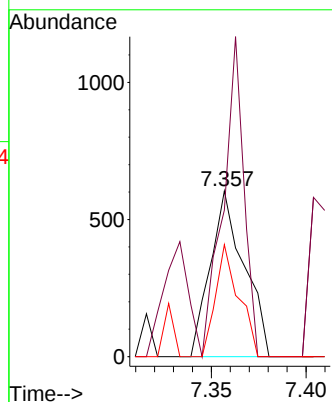
BNA_F

ClientSampleId :

NEVINS-SB06-Z22-23DL2



Tgt Ion:	82	Resp:	751
Ion Ratio	Lower	Upper	
82	100		
128	88.4	34.3	51.5#
54	67.5	43.8	65.6#



#31

Naphthalene

Concen: 73.673 ng

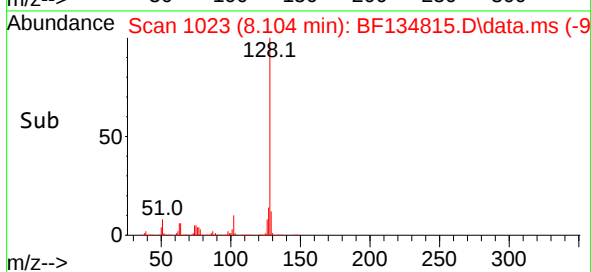
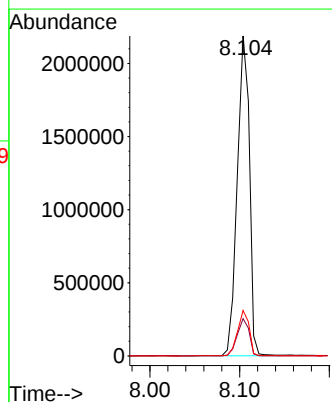
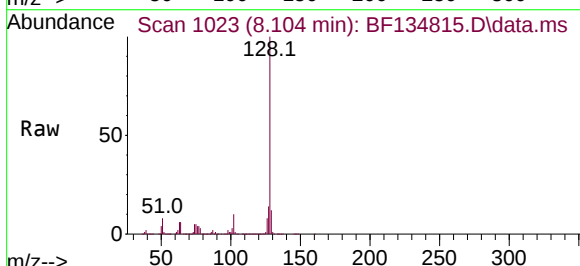
RT: 8.104 min Scan# 1023

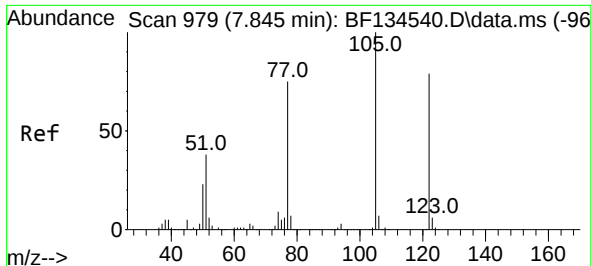
Delta R.T. -0.000 min

Lab File: BF134815.D

Acq: 16 Aug 2023 18:36

Tgt Ion:	128	Resp:	2079741
Ion Ratio	Lower	Upper	
128	100		
129	11.6	8.4	12.6
127	14.2	10.7	16.1

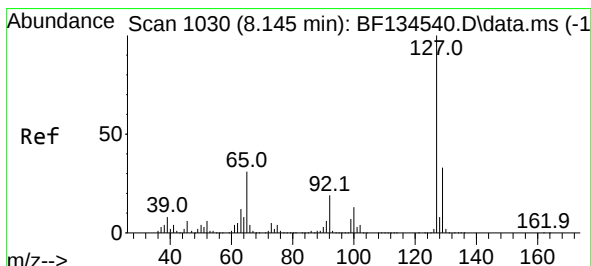
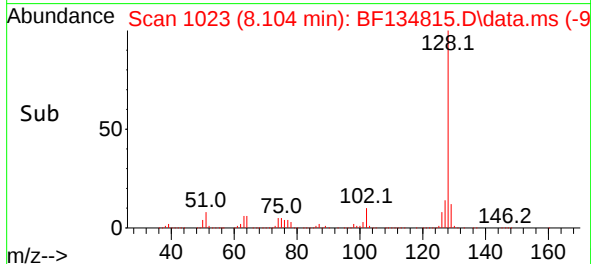
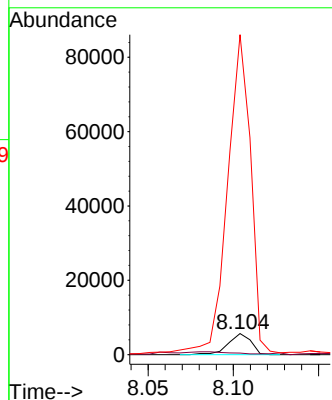
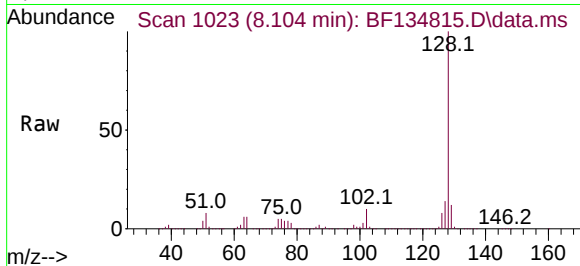




#32
Benzoic acid
Concen: 8.632 ng
RT: 8.104 min Scan# 1023
Delta R.T. 0.241 min
Lab File: BF134815.D
Acq: 16 Aug 2023 18:36

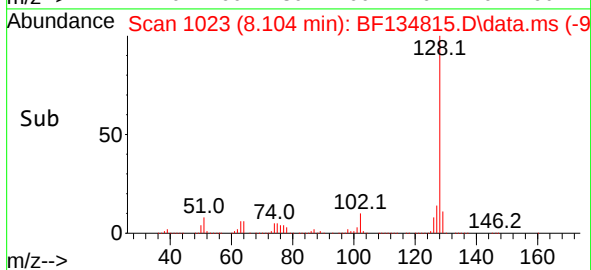
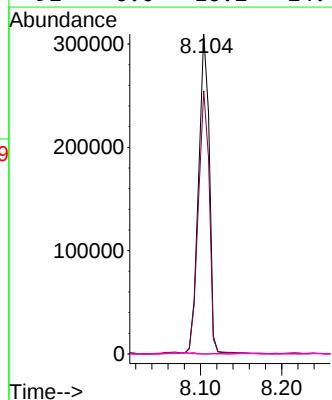
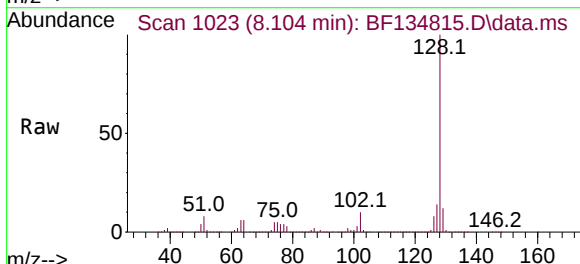
Instrument :
BNA_F
ClientSampleId :
NEVINS-SB06-Z22-23DL2

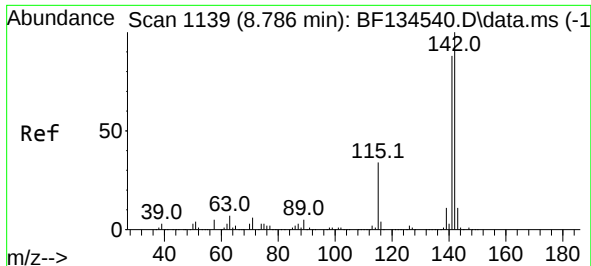
Tgt Ion:122 Resp: 5217
Ion Ratio Lower Upper
122 100
105 7.5 87.5 127.5#
77 1522.5 71.4 111.4#



#33
4-Chloroaniline
Concen: 22.454 ng
RT: 8.104 min Scan# 1023
Delta R.T. -0.047 min
Lab File: BF134815.D
Acq: 16 Aug 2023 18:36

Tgt Ion:127 Resp: 282425
Ion Ratio Lower Upper
127 100
129 82.2 25.6 38.4#
65 0.0 25.4 38.0#
92 0.0 16.2 24.4#





#37

2-Methylnaphthalene

Concen: 34.752 ng

RT: 8.792 min Scan# 1139

Delta R.T. -0.000 min

Lab File: BF134815.D

Acq: 16 Aug 2023 18:36

Instrument :

BNA_F

ClientSampleId :

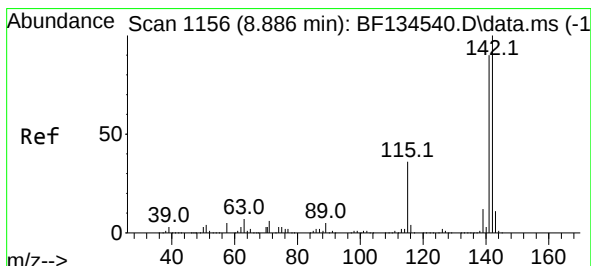
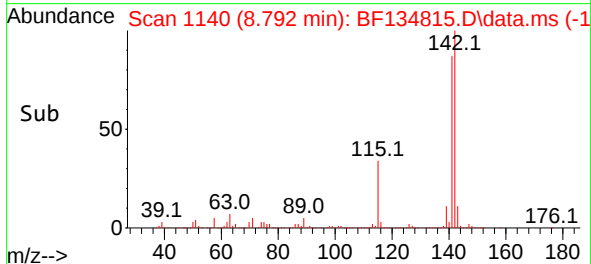
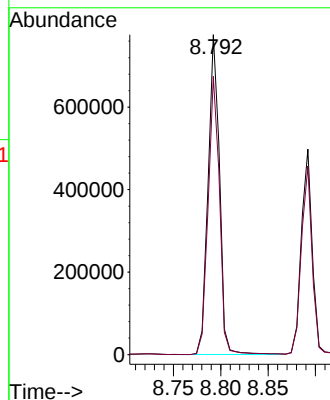
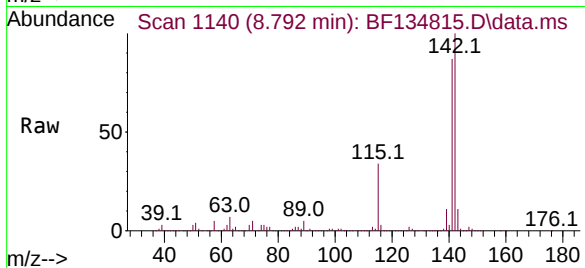
NEVINS-SB06-Z22-23DL2

Tgt Ion:142 Resp: 650265

Ion Ratio Lower Upper

142 100

141 86.9 70.8 106.2



#38

1-Methylnaphthalene

Concen: 23.100 ng

RT: 8.892 min Scan# 1157

Delta R.T. -0.000 min

Lab File: BF134815.D

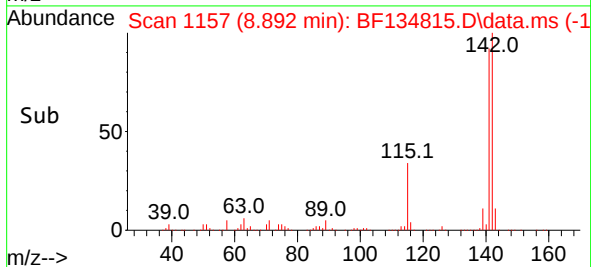
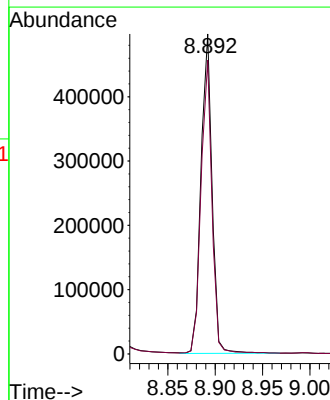
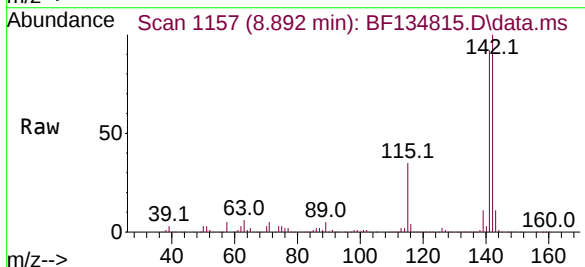
Acq: 16 Aug 2023 18:36

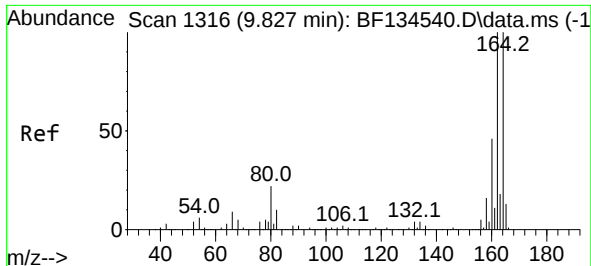
Tgt Ion:142 Resp: 401933

Ion Ratio Lower Upper

142 100

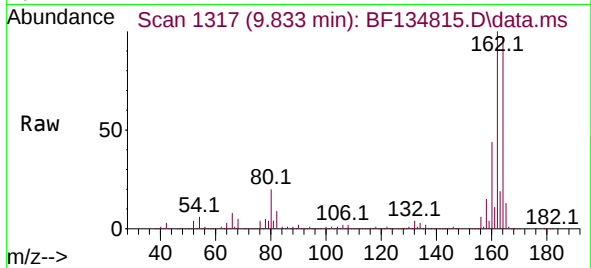
141 91.7 71.4 107.2



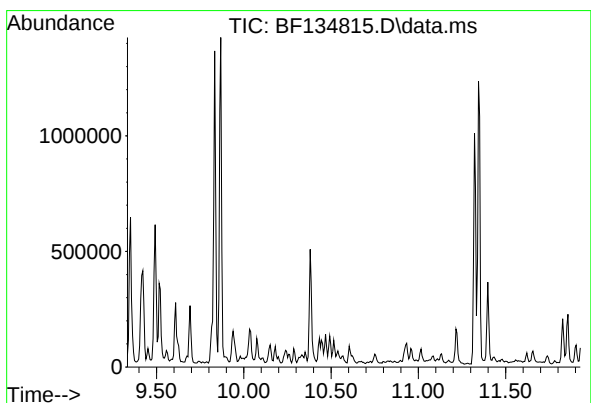
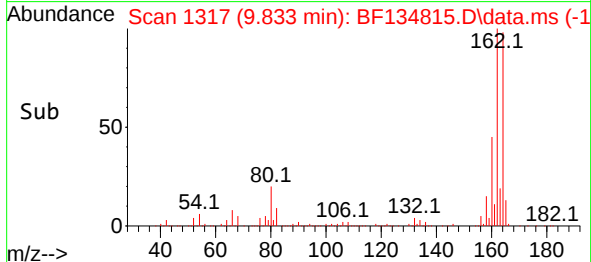
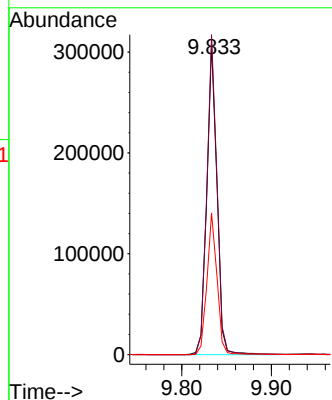


#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.833 min Scan# 1316
Delta R.T. -0.000 min
Lab File: BF134815.D
Acq: 16 Aug 2023 18:36

Instrument :
BNA_F
ClientSampleId :
NEVINS-SB06-Z22-23DL2



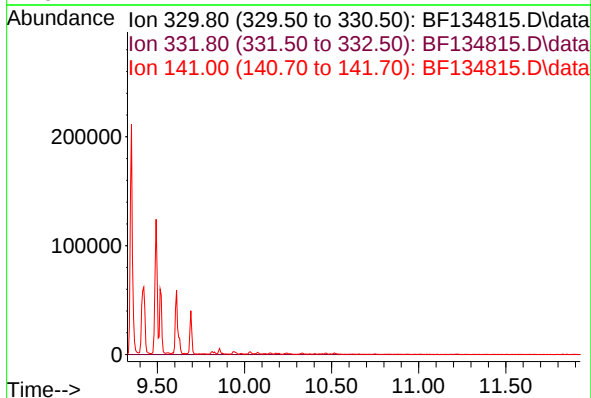
Tgt Ion:164 Resp: 242134
Ion Ratio Lower Upper
164 100
162 103.0 82.6 123.8
160 45.6 37.2 55.8

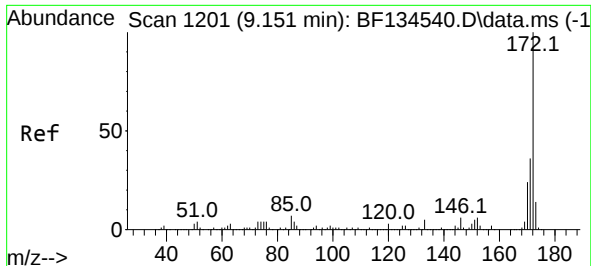


#42
2,4,6-Tribromophenol
Concen: 0.000 ng
Expected RT: 10.63 min

Lab File: BF134815.D
Acq: 16 Aug 2023 18:36

Tgt Ion: 330
Sig Exp Ratio
330 100
332 98.5
141 31.8

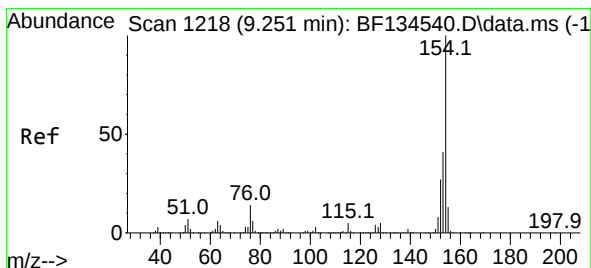
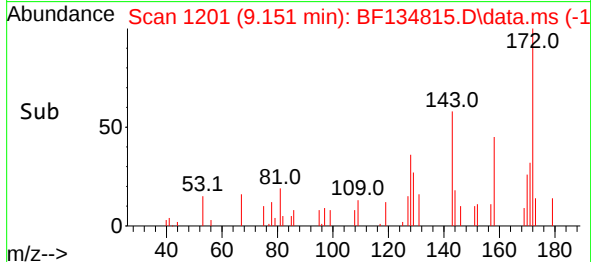
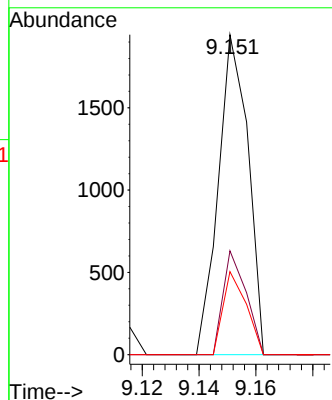
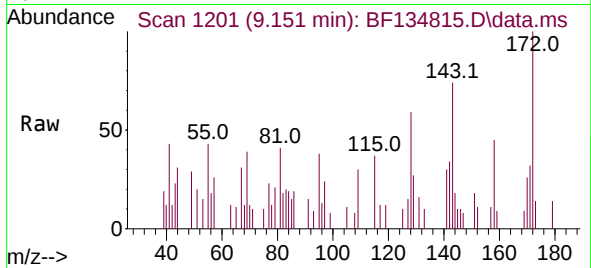




#45
2-Fluorobiphenyl
Concen: 0.097 ng
RT: 9.151 min Scan# 1201
Delta R.T. -0.012 min
Lab File: BF134815.D
Acq: 16 Aug 2023 18:36

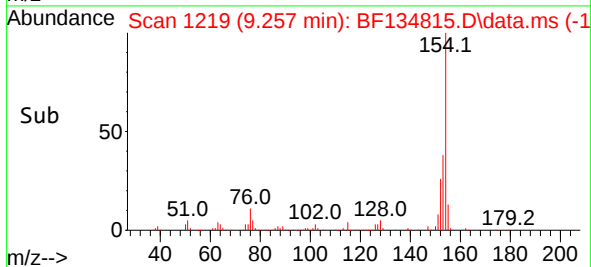
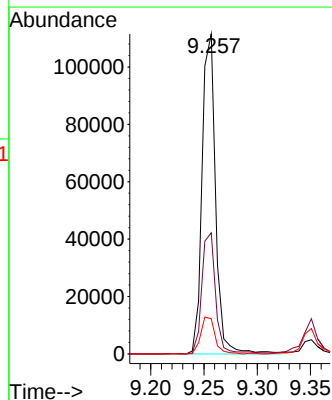
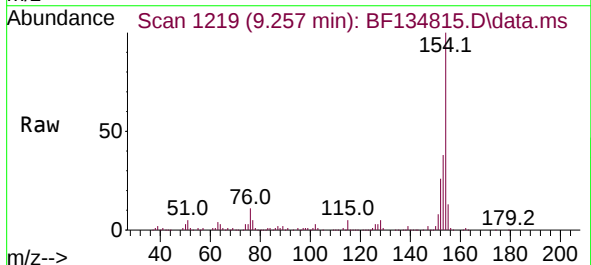
Instrument :
BNA_F
ClientSampleId :
NEVINS-SB06-Z22-23DL2

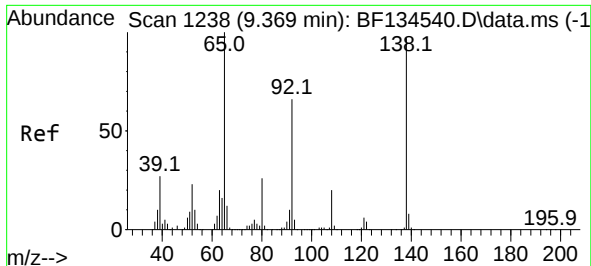
Tgt Ion:	172	Resp:	1417
Ion Ratio	Lower	Upper	
172	100		
171	32.4	28.8	43.2
170	26.0	18.7	28.1



#46
1,1'-Biphenyl
Concen: 5.199 ng
RT: 9.257 min Scan# 1219
Delta R.T. -0.006 min
Lab File: BF134815.D
Acq: 16 Aug 2023 18:36

Tgt Ion:	154	Resp:	97884
Ion Ratio	Lower	Upper	
154	100		
153	37.8	20.8	60.8
76	11.0	0.0	30.2

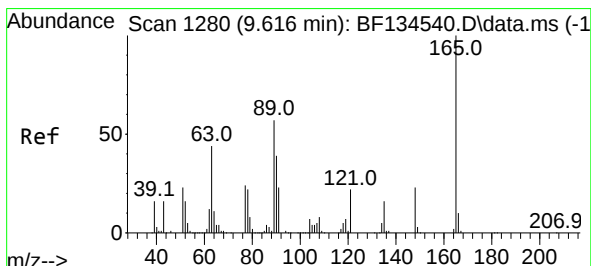
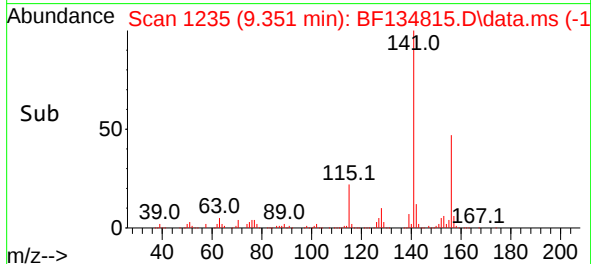
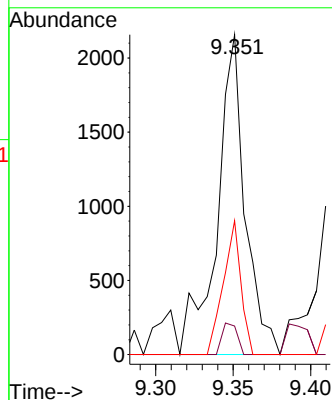
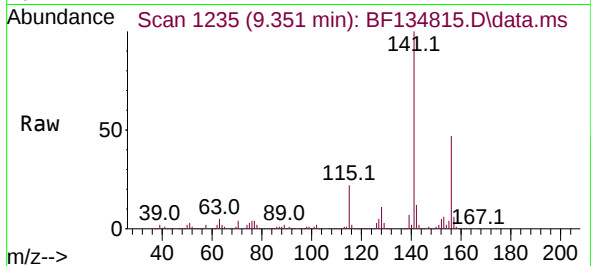




#48
2-Nitroaniline
Concen: 3.739 ng
RT: 9.351 min Scan# 1235
Delta R.T. -0.030 min
Lab File: BF134815.D
Acq: 16 Aug 2023 18:36

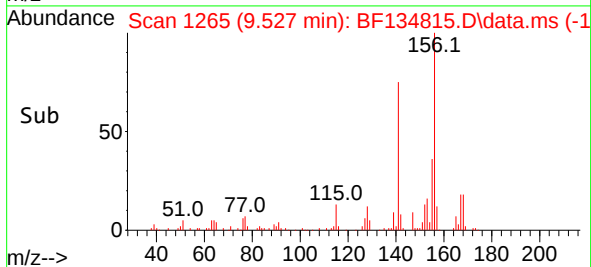
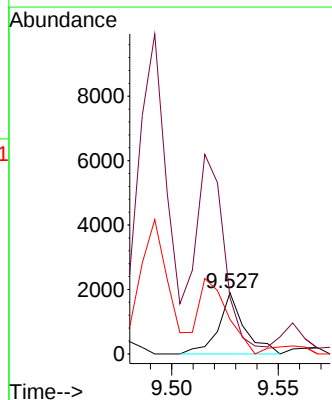
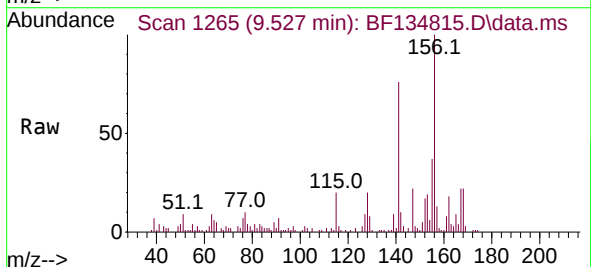
Instrument :
BNA_F
ClientSampleId :
NEVINS-SB06-Z22-23DL2

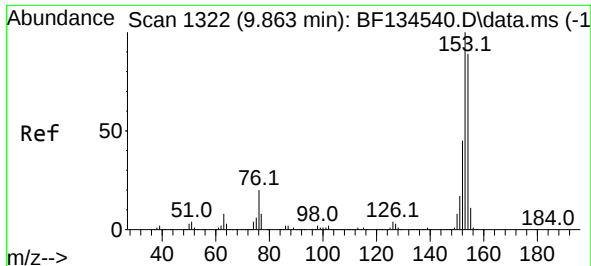
Tgt Ion: 65 Resp: 2698
Ion Ratio Lower Upper
65 100
92 8.9 50.7 76.1#
138 41.8 78.2 117.4#



#51
2,6-Dinitrotoluene
Concen: 2.944 ng
RT: 9.527 min Scan# 1265
Delta R.T. -0.100 min
Lab File: BF134815.D
Acq: 16 Aug 2023 18:36

Tgt Ion: 165 Resp: 1598
Ion Ratio Lower Upper
165 100
63 92.1 57.8 86.6#
89 56.4 51.8 77.8

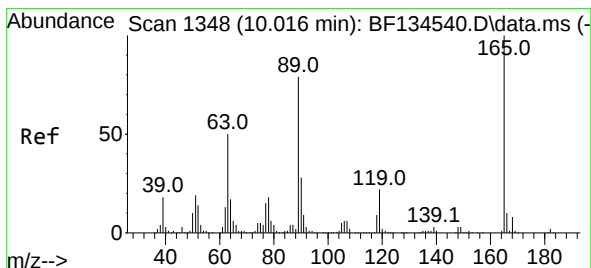
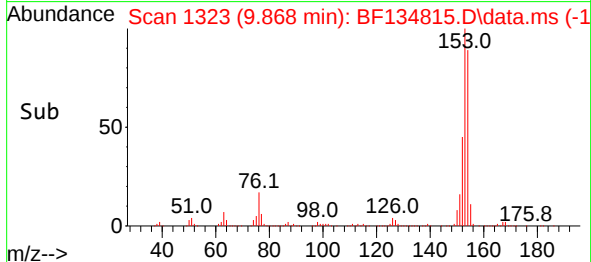
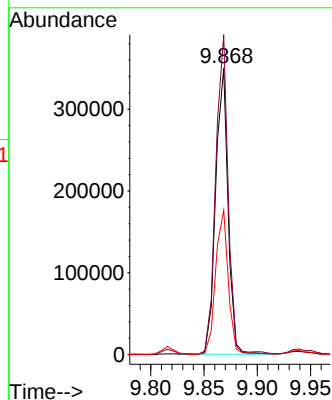
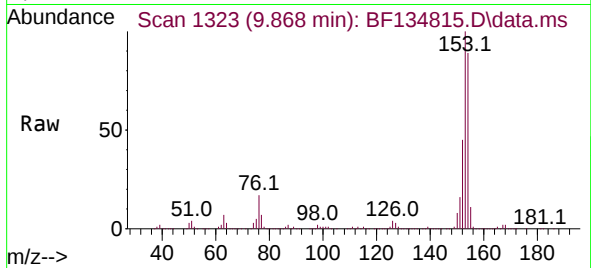




#52
Acenaphthene
Concen: 19.683 ng
RT: 9.868 min Scan# 1322
Delta R.T. -0.006 min
Lab File: BF134815.D
Acq: 16 Aug 2023 18:36

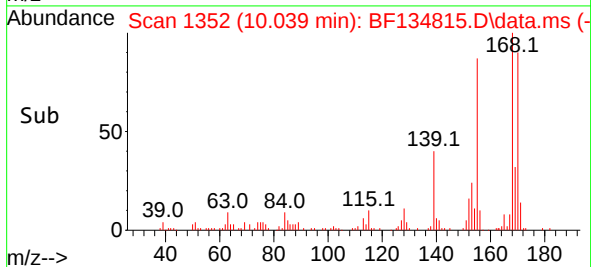
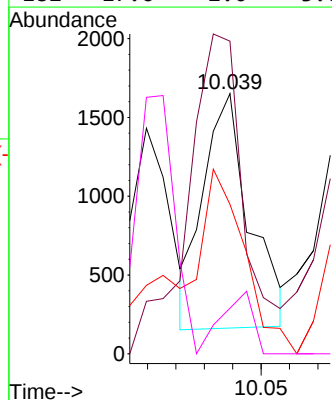
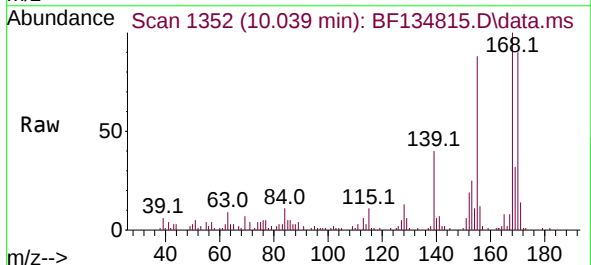
Instrument :
BNA_F
ClientSampleId :
NEVINS-SB06-Z22-23DL2

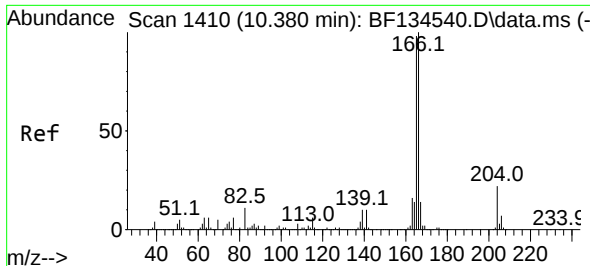
Tgt Ion:154 Resp: 282887
Ion Ratio Lower Upper
154 100
153 111.8 90.0 135.0
152 50.4 42.4 63.6



#57
2,4-Dinitrotoluene
Concen: 3.241 ng
RT: 10.039 min Scan# 1352
Delta R.T. 0.012 min
Lab File: BF134815.D
Acq: 16 Aug 2023 18:36

Tgt Ion:165 Resp: 1693
Ion Ratio Lower Upper
165 100
63 120.2 48.9 73.3#
89 57.4 61.7 92.5#
182 17.6 2.0 3.0#

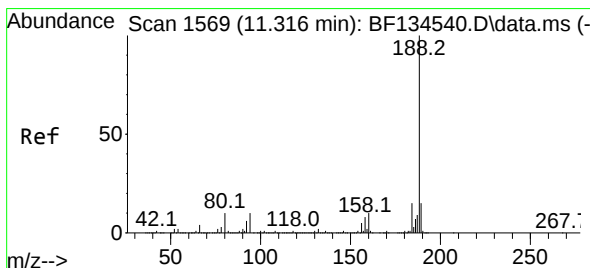
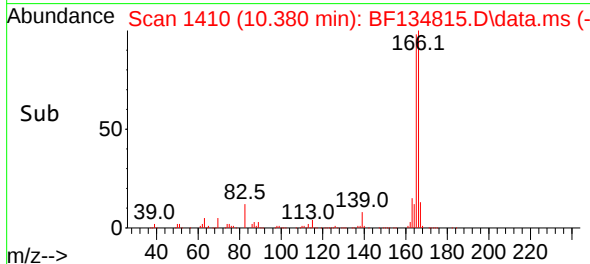
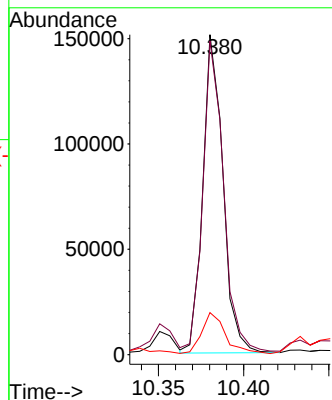
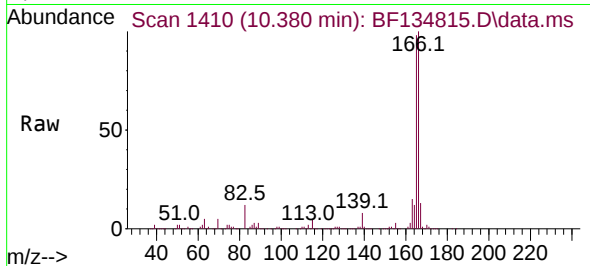




#58
Fluorene
Concen: 8.347 ng
RT: 10.380 min Scan# 1410
Delta R.T. -0.006 min
Lab File: BF134815.D
Acq: 16 Aug 2023 18:36

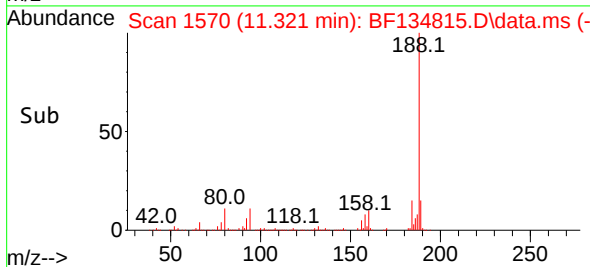
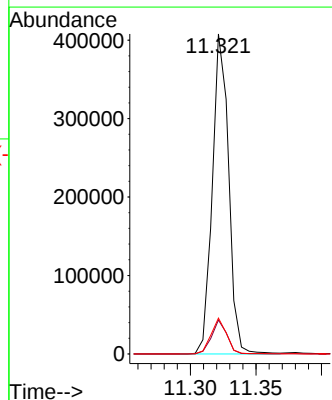
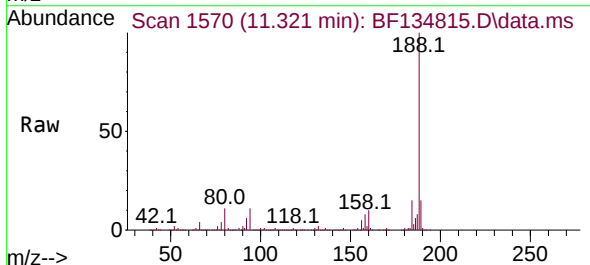
Instrument :
BNA_F
ClientSampleId :
NEVINS-SB06-Z22-23DL2

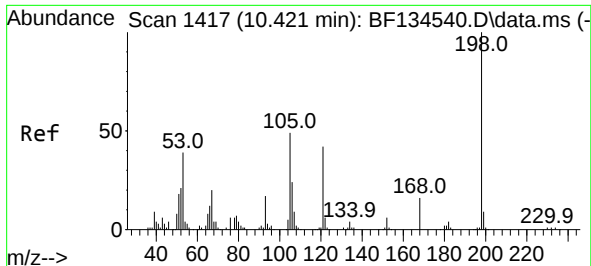
Tgt Ion:166 Resp: 124387
Ion Ratio Lower Upper
166 100
165 98.0 74.5 111.7
167 13.1 10.6 16.0



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.321 min Scan# 1570
Delta R.T. -0.000 min
Lab File: BF134815.D
Acq: 16 Aug 2023 18:36

Tgt Ion:188 Resp: 351957
Ion Ratio Lower Upper
188 100
94 10.6 5.1 7.7#
80 11.2 6.6 9.8#





#65

4,6-Dinitro-2-methylphenol

Concen: 8.810 ng

RT: 10.704 min Scan# 1417

Delta R.T. 0.264 min

Lab File: BF134815.D

Acq: 16 Aug 2023 18:36

Instrument :

BNA_F

ClientSampleId :

NEVINS-SB06-Z22-23DL2

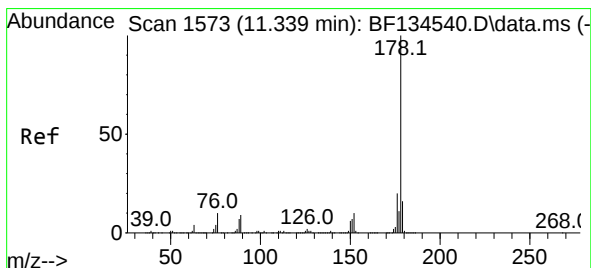
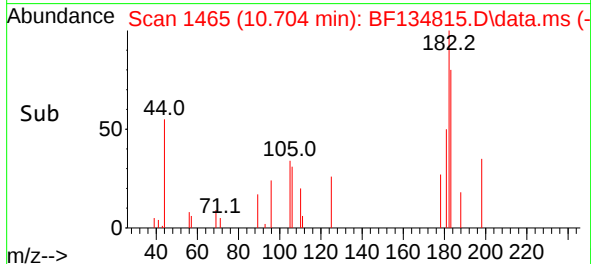
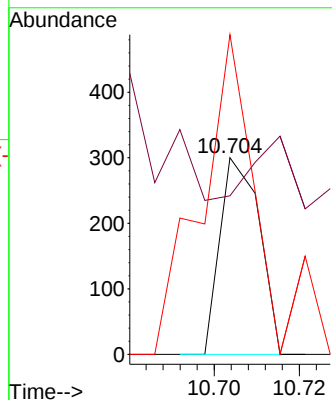
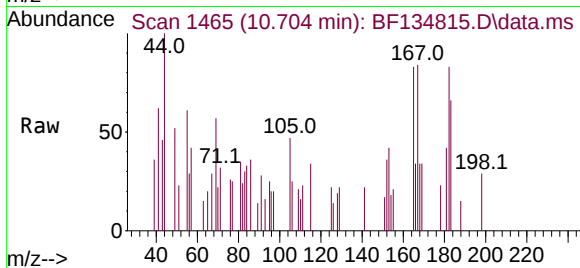
Tgt Ion:198 Resp: 193

Ion Ratio Lower Upper

198 100

51 80.7 38.6 78.6#

105 162.7 27.9 67.9#



#71

Phenanthrene

Concen: 24.475 ng

RT: 11.345 min Scan# 1574

Delta R.T. -0.006 min

Lab File: BF134815.D

Acq: 16 Aug 2023 18:36

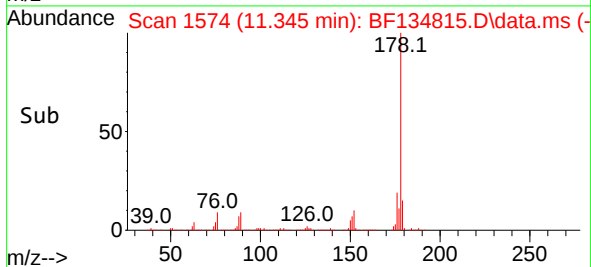
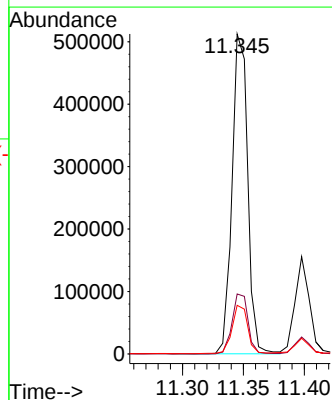
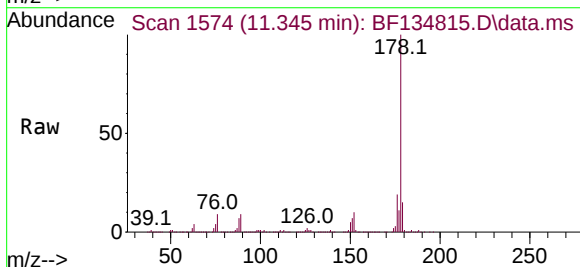
Tgt Ion:178 Resp: 457556

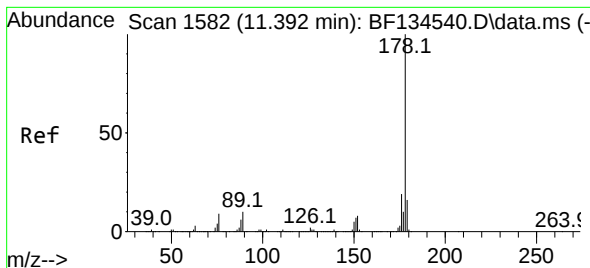
Ion Ratio Lower Upper

178 100

176 18.7 15.8 23.6

179 15.2 12.7 19.1





#72

Anthracene

Concen: 6.752 ng

RT: 11.398 min Scan# 11

Delta R.T. -0.006 min

Lab File: BF134815.D

Acq: 16 Aug 2023 18:36

Instrument :

BNA_F

ClientSampleId :

NEVINS-SB06-Z22-23DL2

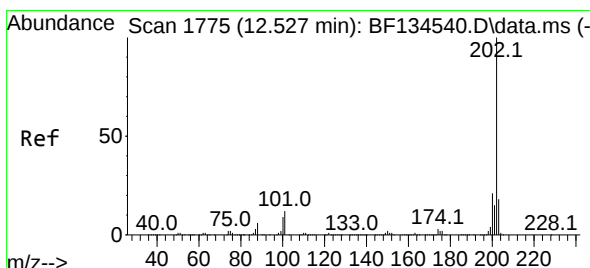
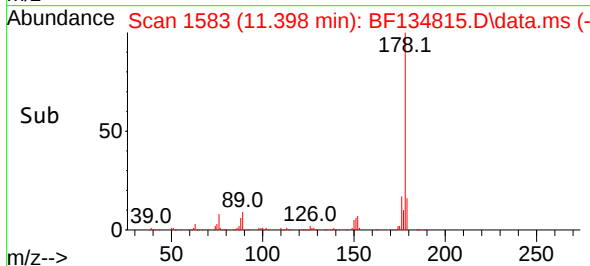
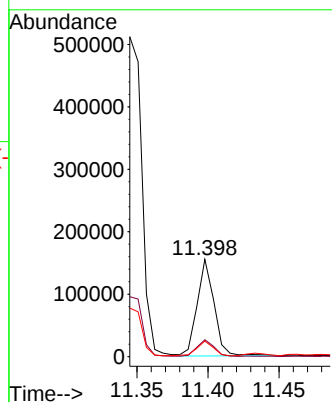
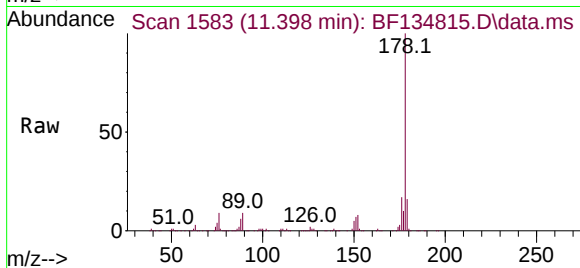
Tgt Ion:178 Resp: 128936

Ion Ratio Lower Upper

178 100

176 17.4 14.6 21.8

179 16.0 12.3 18.5



#75

Fluoranthene

Concen: 8.648 ng

RT: 12.539 min Scan# 1777

Delta R.T. -0.000 min

Lab File: BF134815.D

Acq: 16 Aug 2023 18:36

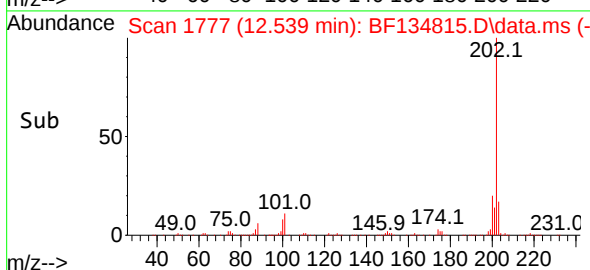
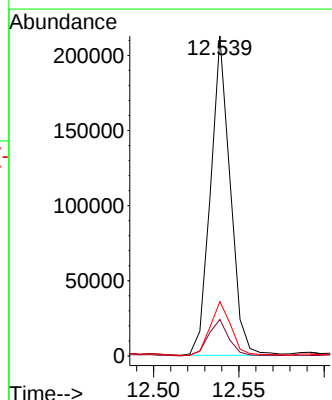
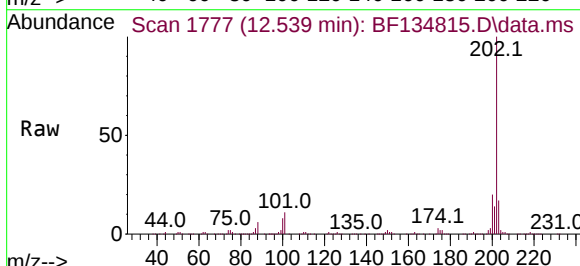
Tgt Ion:202 Resp: 170777

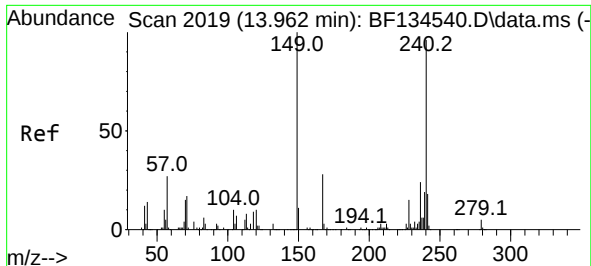
Ion Ratio Lower Upper

202 100

101 11.4 0.0 28.5

203 17.0 0.0 37.5

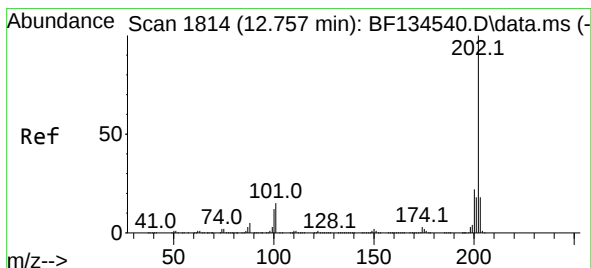
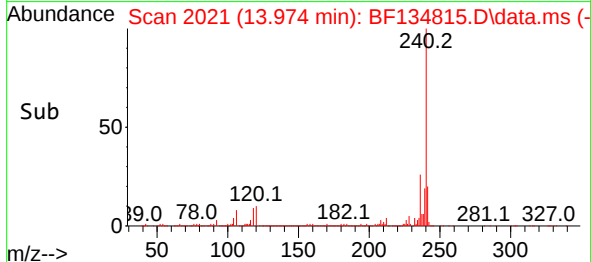
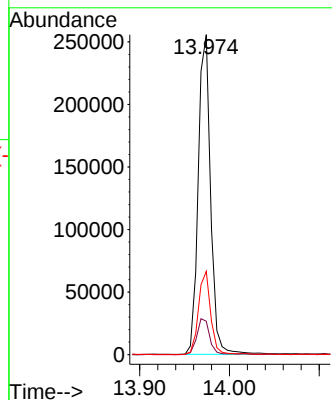
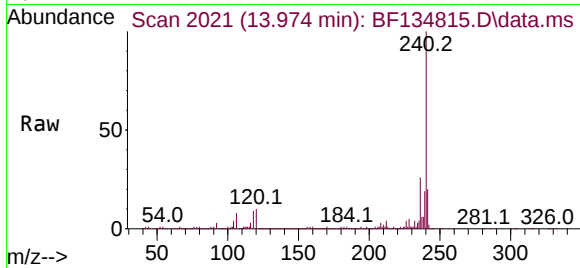




#76
Chrysene-d12
Concen: 20.000 ng
RT: 13.974 min Scan# 20
Delta R.T. -0.000 min
Lab File: BF134815.D
Acq: 16 Aug 2023 18:36

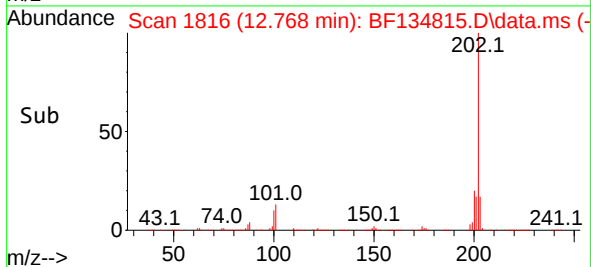
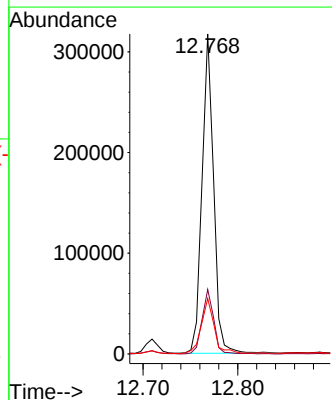
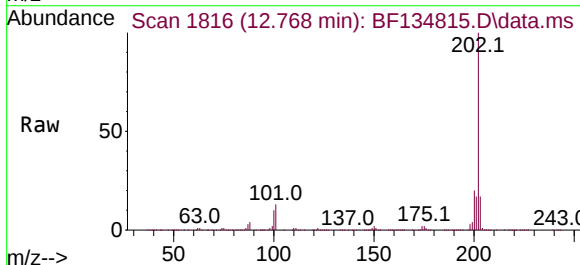
Instrument :
BNA_F
ClientSampleId :
NEVINS-SB06-Z22-23DL2

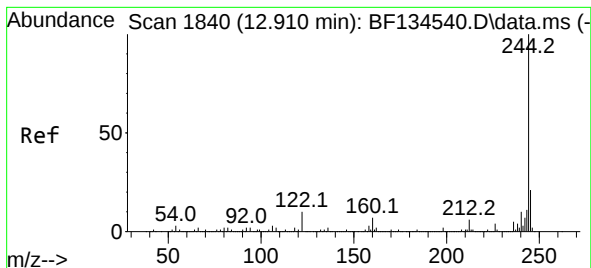
Tgt Ion:240 Resp: 244884
Ion Ratio Lower Upper
240 100
120 10.4 6.6 10.0#
236 26.0 20.2 30.2



#78
Pyrene
Concen: 12.702 ng
RT: 12.768 min Scan# 1816
Delta R.T. -0.000 min
Lab File: BF134815.D
Acq: 16 Aug 2023 18:36

Tgt Ion:202 Resp: 269152
Ion Ratio Lower Upper
202 100
200 20.1 15.8 23.8
203 17.3 13.5 20.3





#79

Terphenyl-d14

Concen: 0.121 ng

RT: 12.915 min Scan# 1840

Delta R.T. -0.006 min

Lab File: BF134815.D

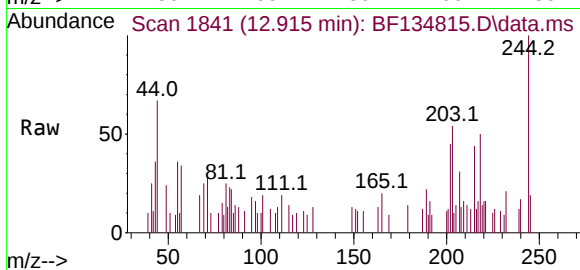
Acq: 16 Aug 2023 18:36

Instrument :

BNA_F

ClientSampleId :

NEVINS-SB06-Z22-23DL2



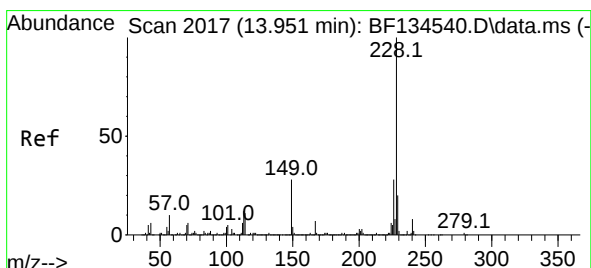
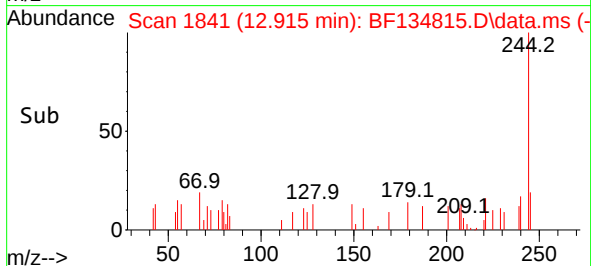
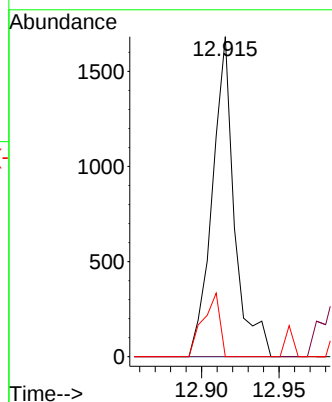
Tgt Ion:244 Resp: 1682

Ion Ratio Lower Upper

244 100

212 0.0 5.6 8.4#

122 0.0 8.0 12.0#



#81

Benzo(a)anthracene

Concen: 3.457 ng

RT: 13.998 min Scan# 2025

Delta R.T. 0.035 min

Lab File: BF134815.D

Acq: 16 Aug 2023 18:36

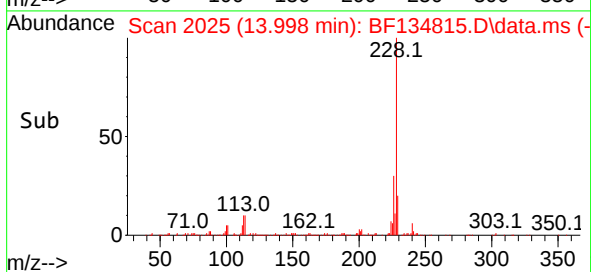
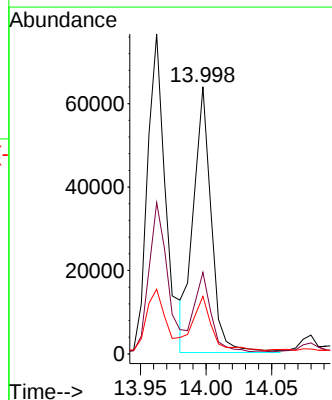
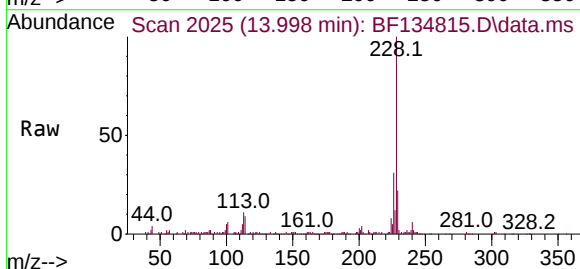
Tgt Ion:228 Resp: 60533

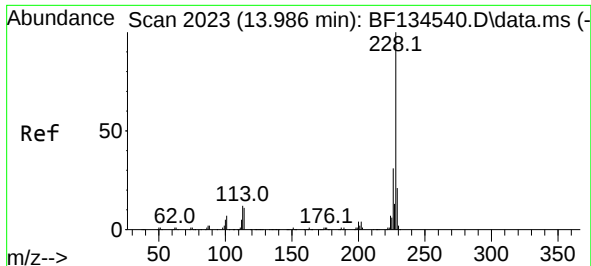
Ion Ratio Lower Upper

228 100

226 30.5 22.3 33.5

229 21.5 15.8 23.6





#83

Chrysene

Concen: 3.548 ng

RT: 13.998 min Scan# 20

Delta R.T. -0.000 min

Lab File: BF134815.D

Acq: 16 Aug 2023 18:36

Instrument :

BNA_F

ClientSampleId :

NEVINS-SB06-Z22-23DL2

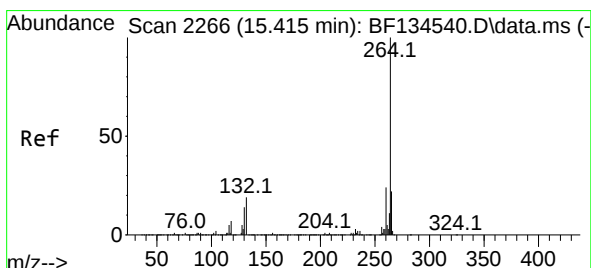
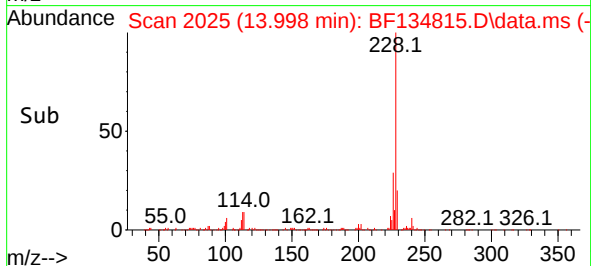
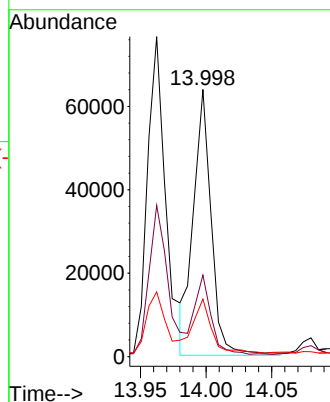
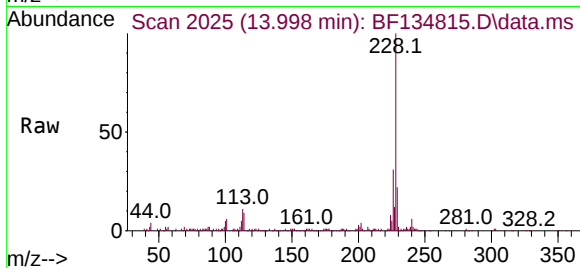
Tgt Ion:228 Resp: 60533

Ion Ratio Lower Upper

228 100

226 30.5 24.5 36.7

229 21.5 15.8 23.8



#86

Perylene-d12

Concen: 20.000 ng

RT: 15.445 min Scan# 2271

Delta R.T. 0.006 min

Lab File: BF134815.D

Acq: 16 Aug 2023 18:36

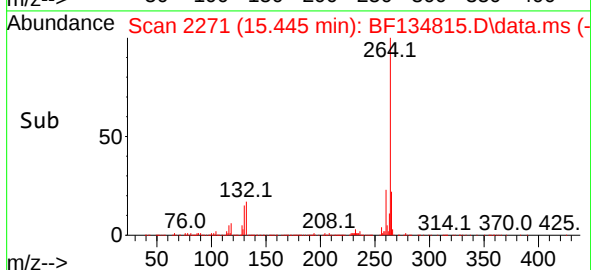
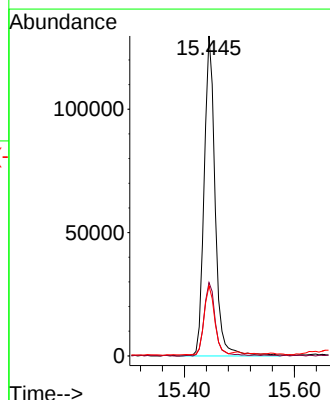
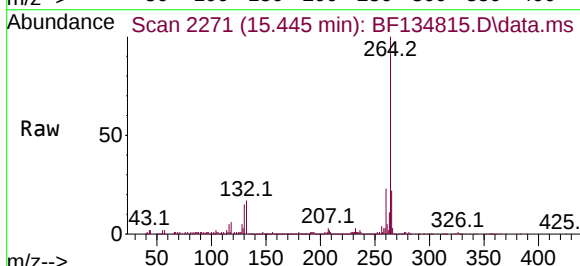
Tgt Ion:264 Resp: 179532

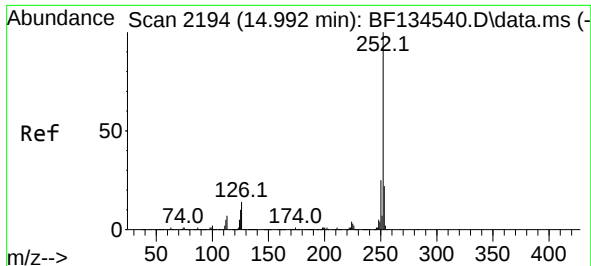
Ion Ratio Lower Upper

264 100

260 22.9 18.4 27.6

265 21.9 15.8 23.8

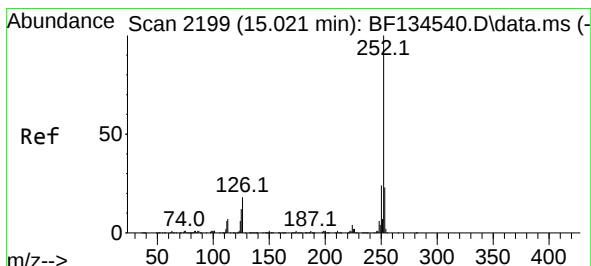
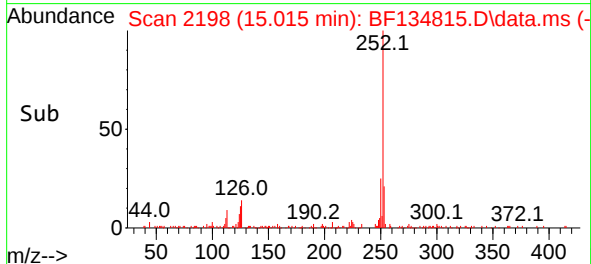
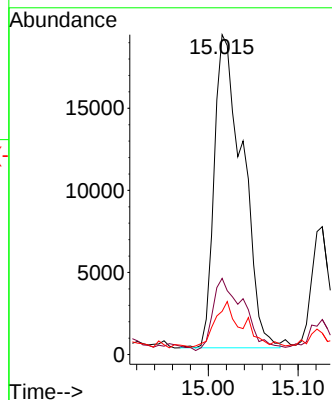
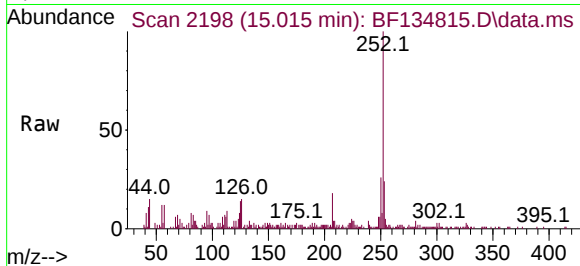




#88
Benzo(b)fluoranthene
Concen: 3.848 ng
RT: 15.015 min Scan# 2198
Delta R.T. 0.006 min
Lab File: BF134815.D
Acq: 16 Aug 2023 18:36

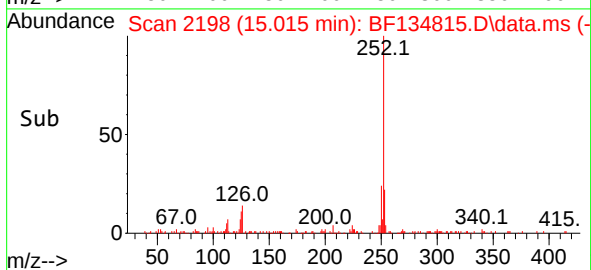
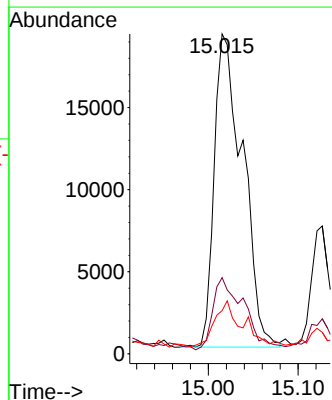
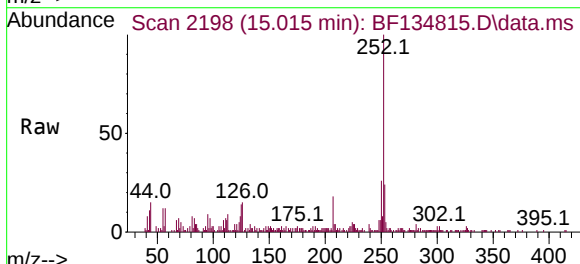
Instrument :
BNA_F
ClientSampleId :
NEVINS-SB06-Z22-23DL2

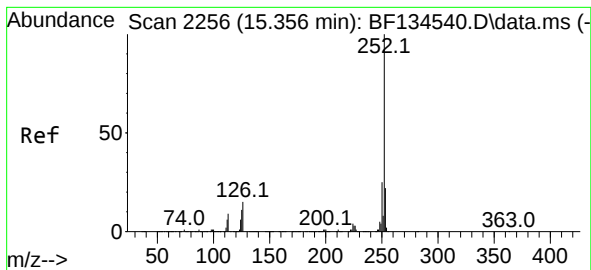
Tgt Ion:252 Resp: 42129
Ion Ratio Lower Upper
252 100
253 23.8 17.3 25.9
125 13.5 6.0 9.0#



#89
Benzo(k)fluoranthene
Concen: 3.862 ng
RT: 15.015 min Scan# 2198
Delta R.T. -0.024 min
Lab File: BF134815.D
Acq: 16 Aug 2023 18:36

Tgt Ion:252 Resp: 42129
Ion Ratio Lower Upper
252 100
253 23.8 17.9 26.9
125 13.5 6.3 9.5#





#90

Benzo(a)pyrene

Concen: 3.820 ng

RT: 15.380 min Scan# 21

Delta R.T. -0.000 min

Lab File: BF134815.D

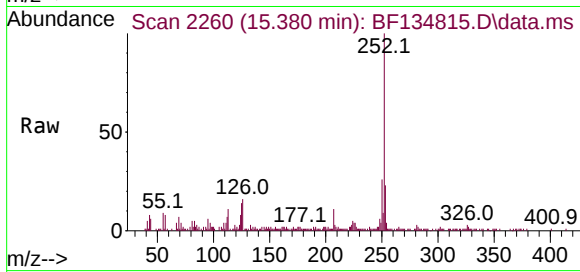
Acq: 16 Aug 2023 18:36

Instrument :

BNA_F

ClientSampleId :

NEVINS-SB06-Z22-23DL2



Tgt Ion:252 Resp: 38994

Ion Ratio Lower Upper

252 100

253 23.0 17.0 25.4

125 13.8 6.2 9.4#

